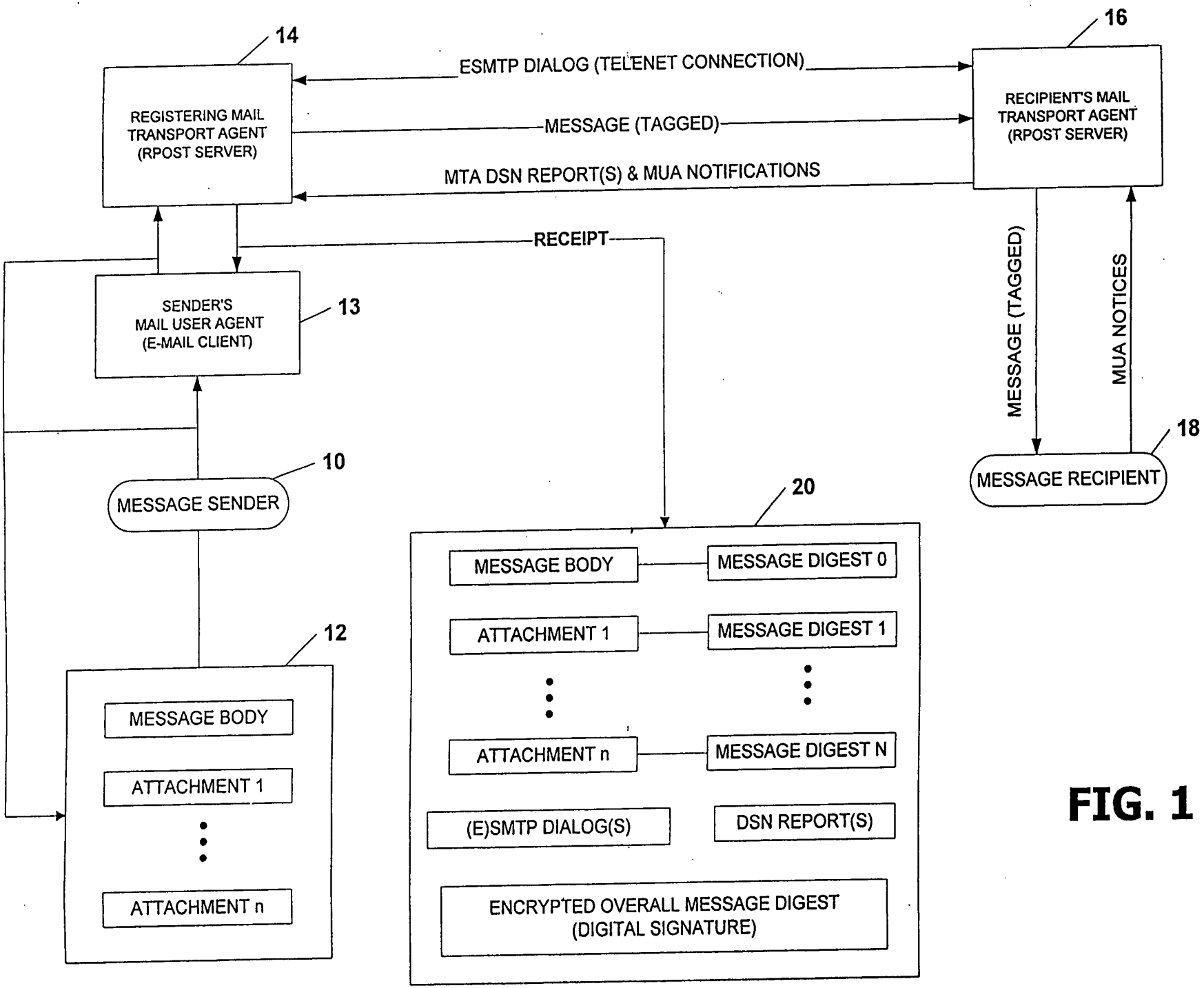

14
REGISTERING MAIL TRANSPORT AGENT (RPOST SERVER)
ESMTP DIALOG (TELENET CONNECTION)
MESSAGE (TAGGED)
MTA DSN REPORT(S) & MUA NOTIFICATIONS
16
RECIPIENT'S MAIL TRANSPORT AGENT (RPOST SERVER)
RECEIPT
SENDER'S MAIL USER AGENT (E-MAIL CLIENT)
13
MESSAGE (TAGGED)
MUA NOTICES
18
MESSAGE RECIPIENT
10
MESSAGE SENDER
20
MESSAGE BODY
MESSAGE DIGEST 0
ATTACHMENT 1
MESSAGE DIGEST 1
ATTACHMENT n
MESSAGE DIGEST N
(E)SMTP DIALOG(S)
DSN REPORT(S)
ENCRYPTED OVERALL MESSAGE DIGEST (DIGITAL SIGNATURE)
12
MESSAGE BODY
ATTACHMENT 1
ATTACHMENT n

FIG. 1

FIG. 2A
Preprocessing

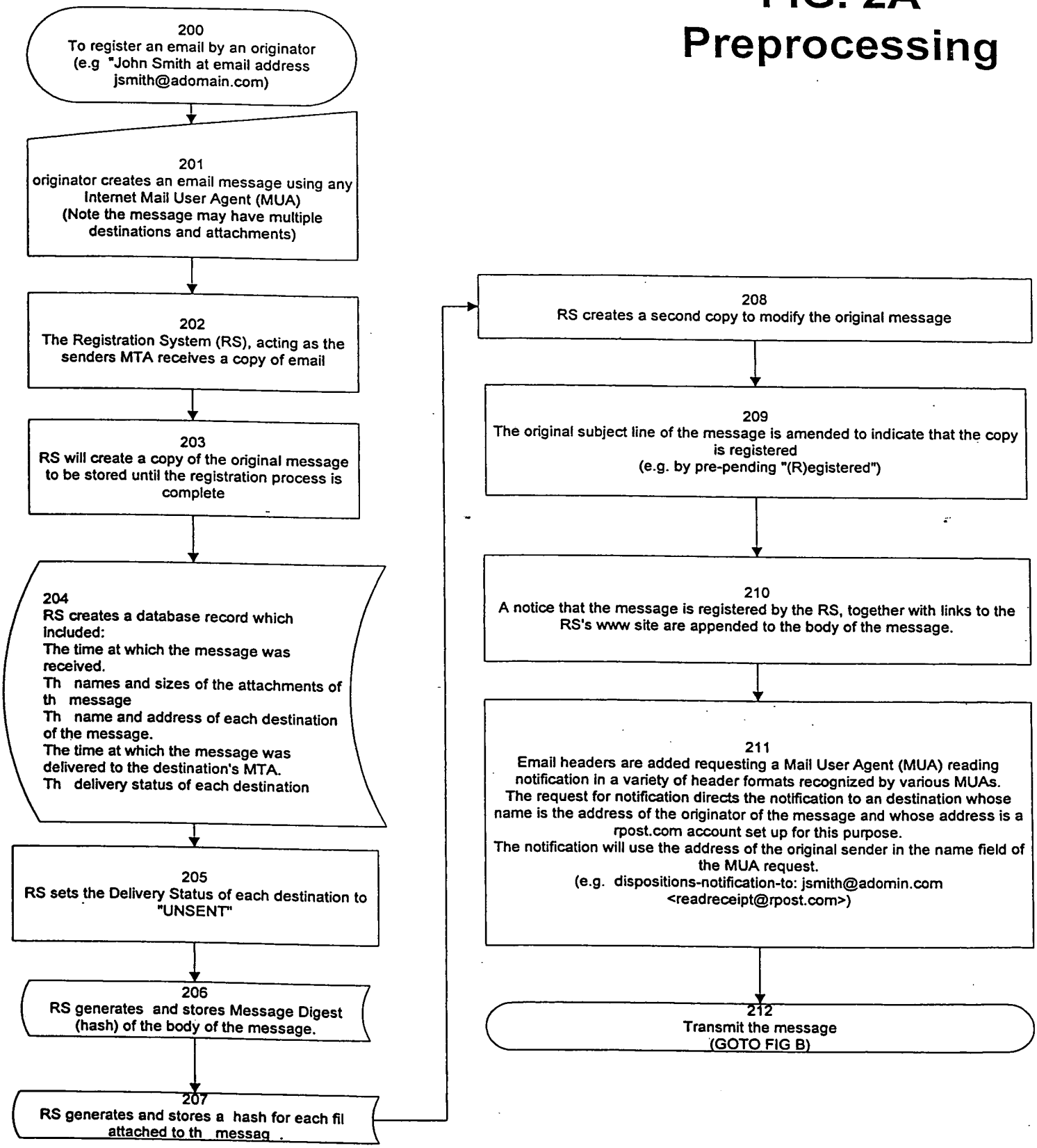


FIG. 2B
Transmission

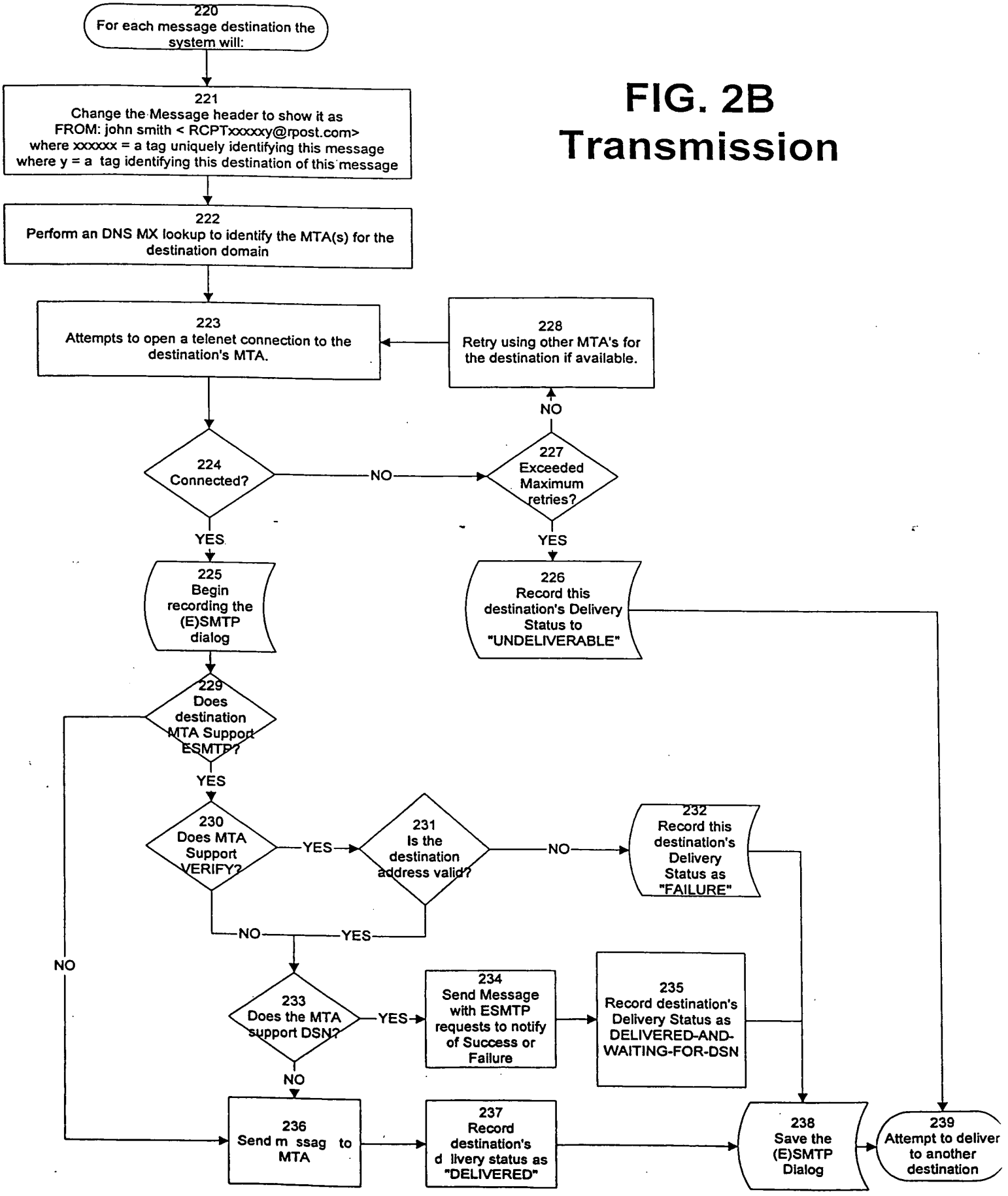


FIG. 2C
Post-Processing
Processing MTA Notifications

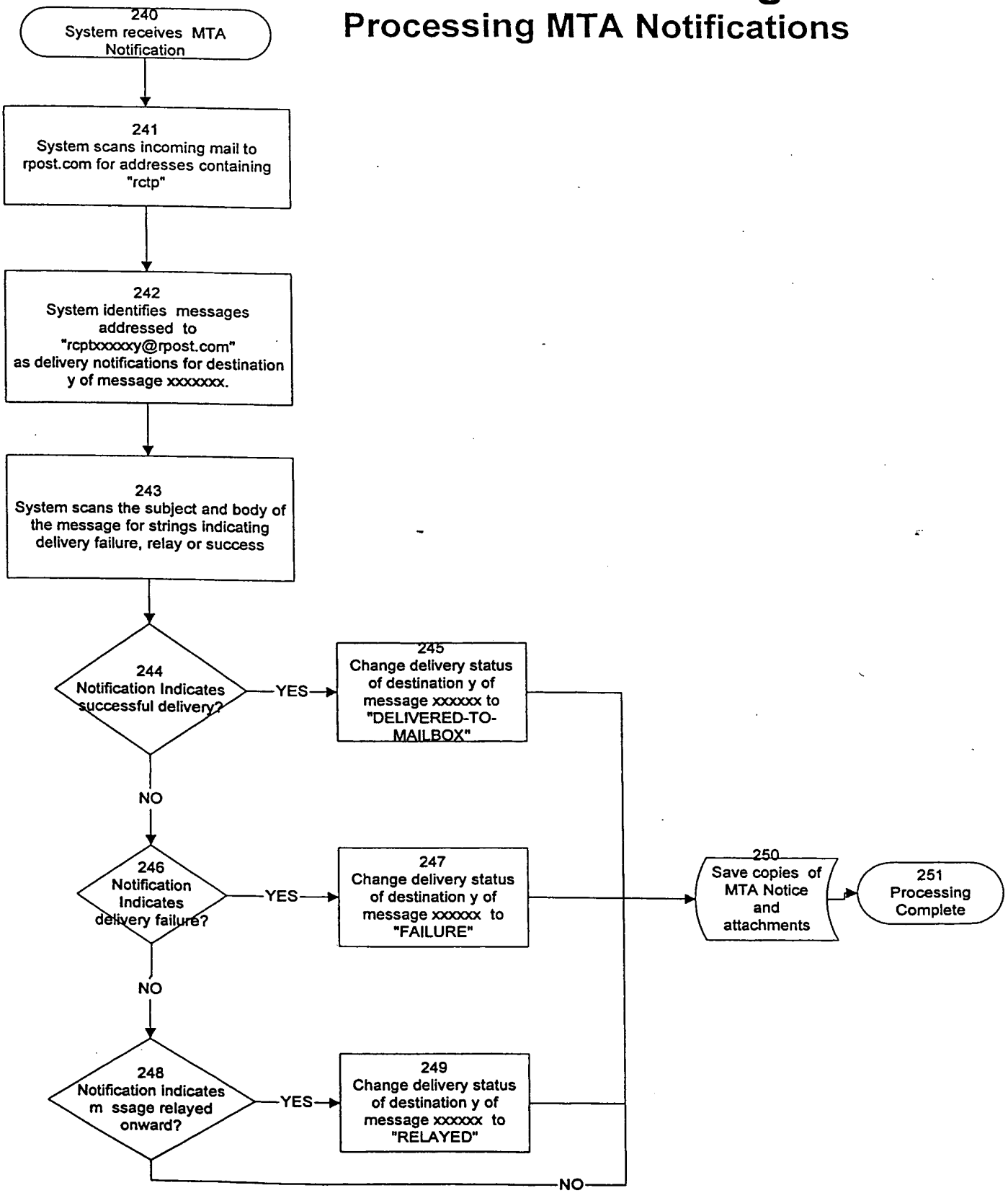
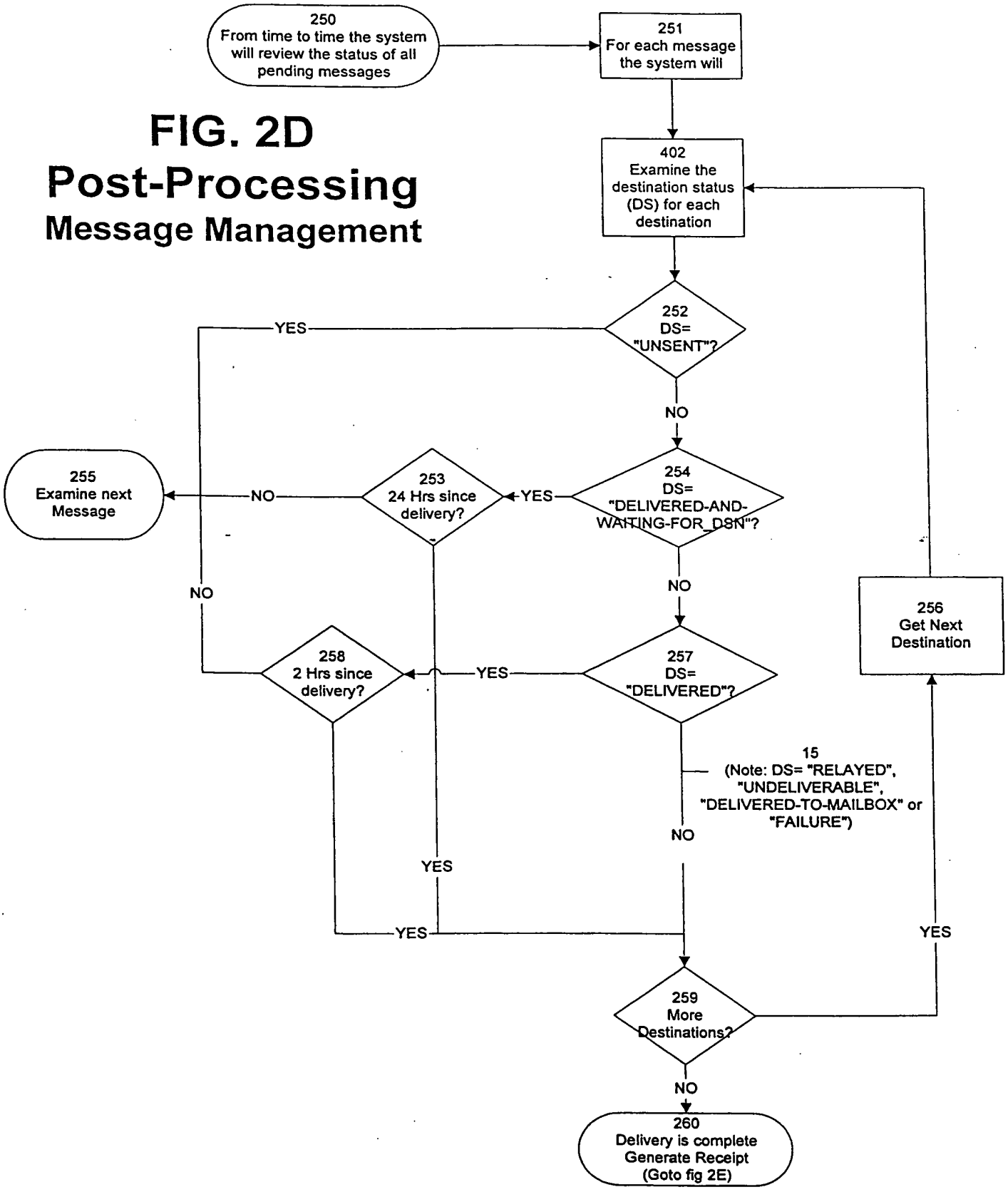


FIG. 2D
Post-Processing
Message Management



START HERE FROM FIGURE 2D

FIG. 2E
Post-Processing
Generate a Delivery Receipt

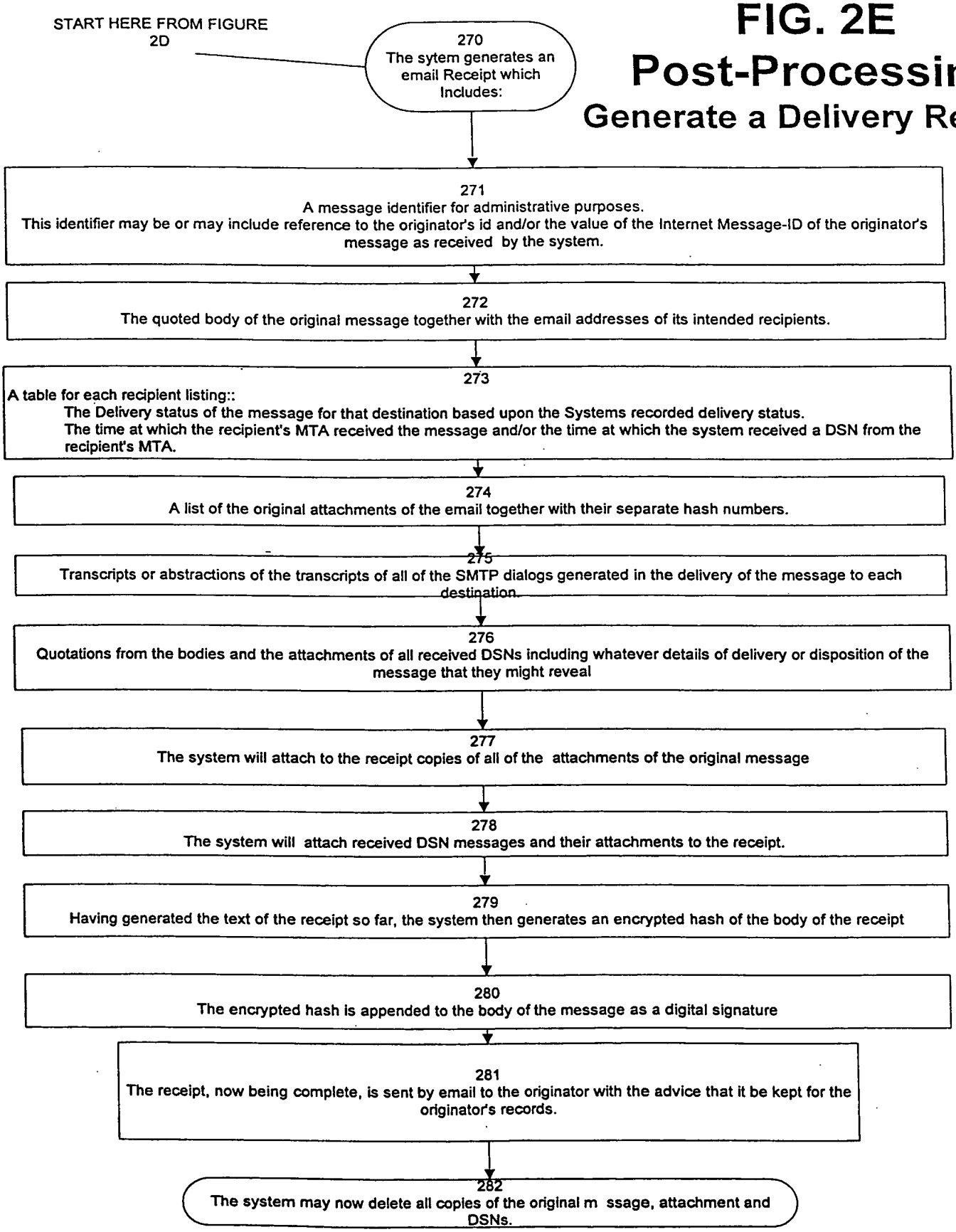
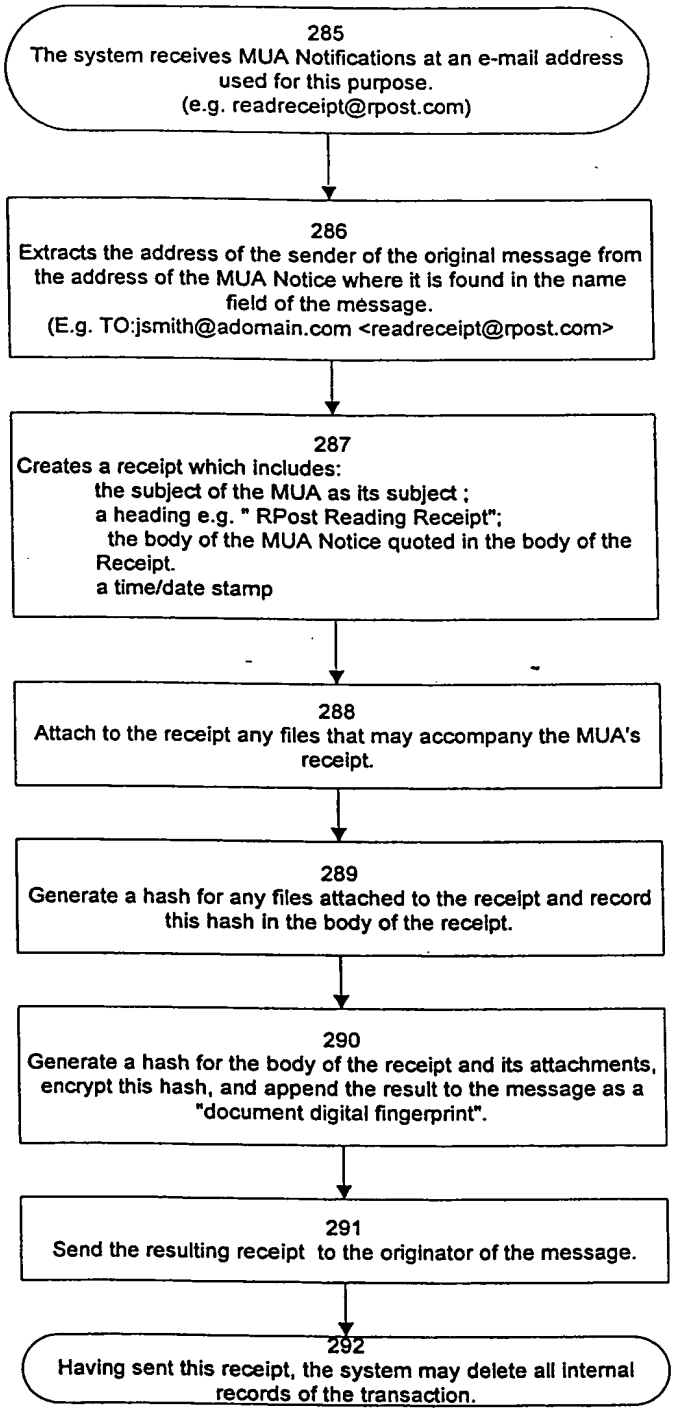


FIG. 2F
Post-Processing
Generate a Reading Notice



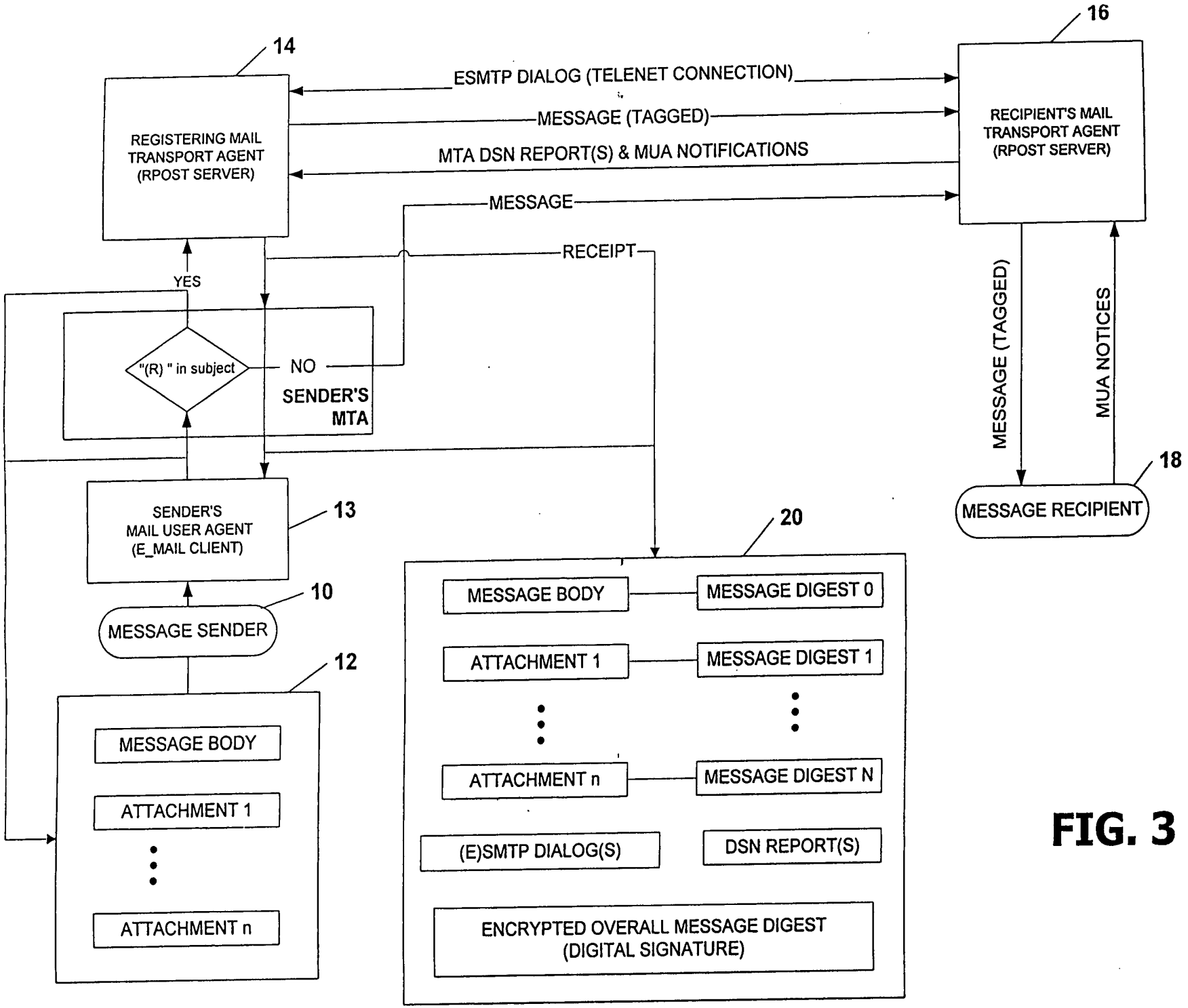

16
14
ESMTP DIALOG (TELENET CONNECTION)
MESSAGE (TAGGED)
MTA DSN REPORT(S) & MUA NOTIFICATIONS
MESSAGE
RECEIPT
REGISTERING MAIL TRANSPORT AGENT (RPOST SERVER)
RECIPIENT'S MAIL TRANSPORT AGENT (RPOST SERVER)
YES
"(R) " in subject
NO
SENDER'S MTA
MESSAGE (TAGGED)
MUA NOTICES
18
MESSAGE RECIPIENT
SENDER'S MAIL USER AGENT (E_MAIL CLIENT)
13
20
10
MESSAGE SENDER
12
MESSAGE BODY
ATTACHMENT 1
ATTACHMENT n
MESSAGE BODY
MESSAGE DIGEST 0
ATTACHMENT 1
MESSAGE DIGEST 1
ATTACHMENT n
MESSAGE DIGEST N
(E)SMTP DIALOG(S)
DSN REPORT(S)
ENCRYPTED OVERALL MESSAGE DIGEST (DIGITAL SIGNATURE)

FIG. 3

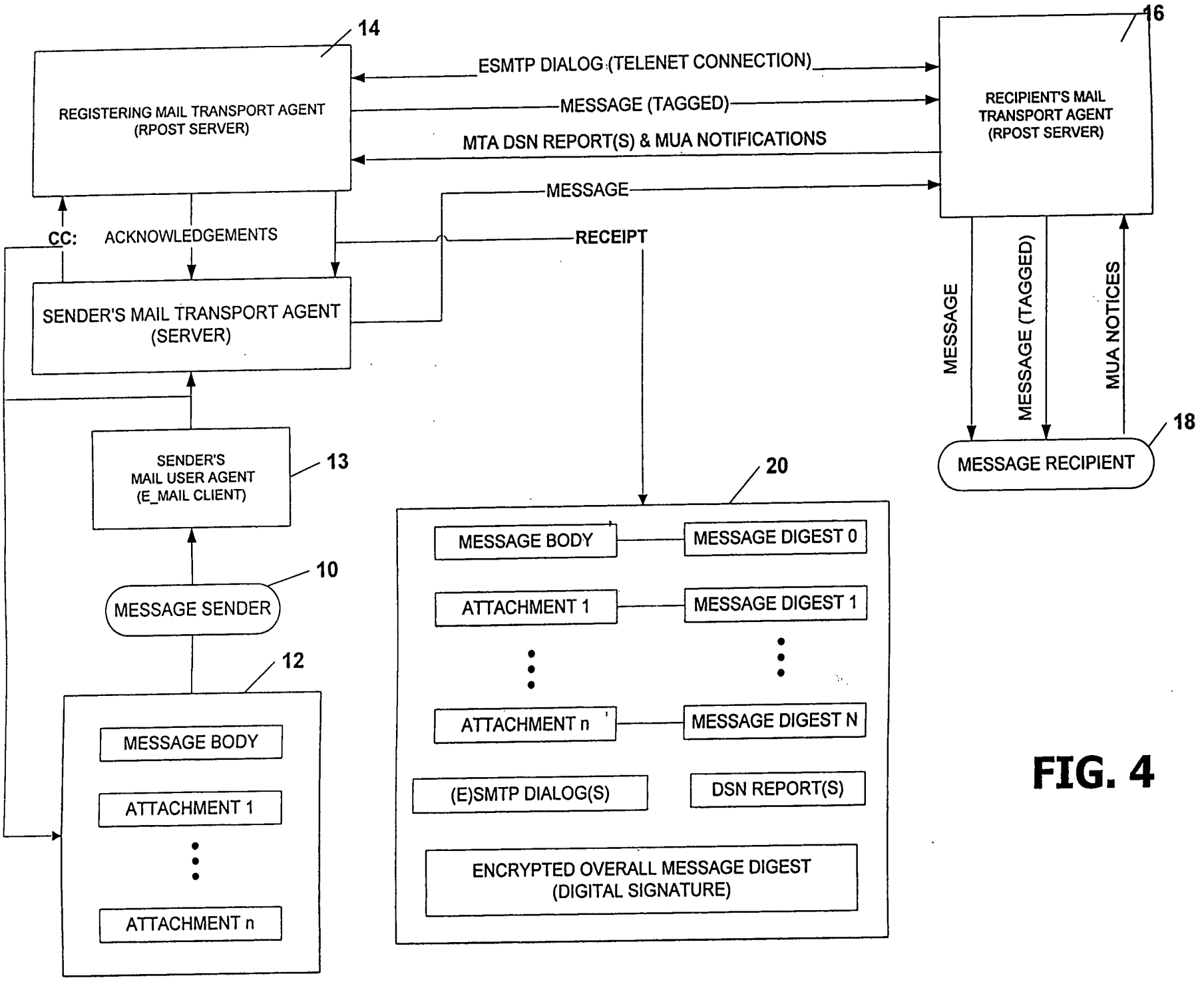

14
REGISTERING MAIL TRANSPORT AGENT
(RPOST SERVER)
ESMTP DIALOG (TELENET CONNECTION)
MESSAGE (TAGGED)
MTA DSN REPORT(S) & MUA NOTIFICATIONS
MESSAGE
16
RECIPIENT'S MAIL
TRANSPORT AGENT
(RPOST SERVER)
CC:
ACKNOWLEDGEMENTS
RECEIPT
SENDER'S MAIL TRANSPORT AGENT
(SERVER)
MESSAGE
MESSAGE (TAGGED)
MUA NOTICES
18
MESSAGE RECIPIENT
SENDER'S
MAIL USER AGENT
(E_MAIL CLIENT)
13
20
MESSAGE BODY
MESSAGE DIGEST 0
ATTACHMENT 1
MESSAGE DIGEST 1
ATTACHMENT n
MESSAGE DIGEST N
10
MESSAGE SENDER
12
MESSAGE BODY
ATTACHMENT 1
ATTACHMENT n
(E)SMTP DIALOG(S)
DSN REPORT(S)
ENCRYPTED OVERALL MESSAGE DIGEST
(DIGITAL SIGNATURE)

FIG. 4

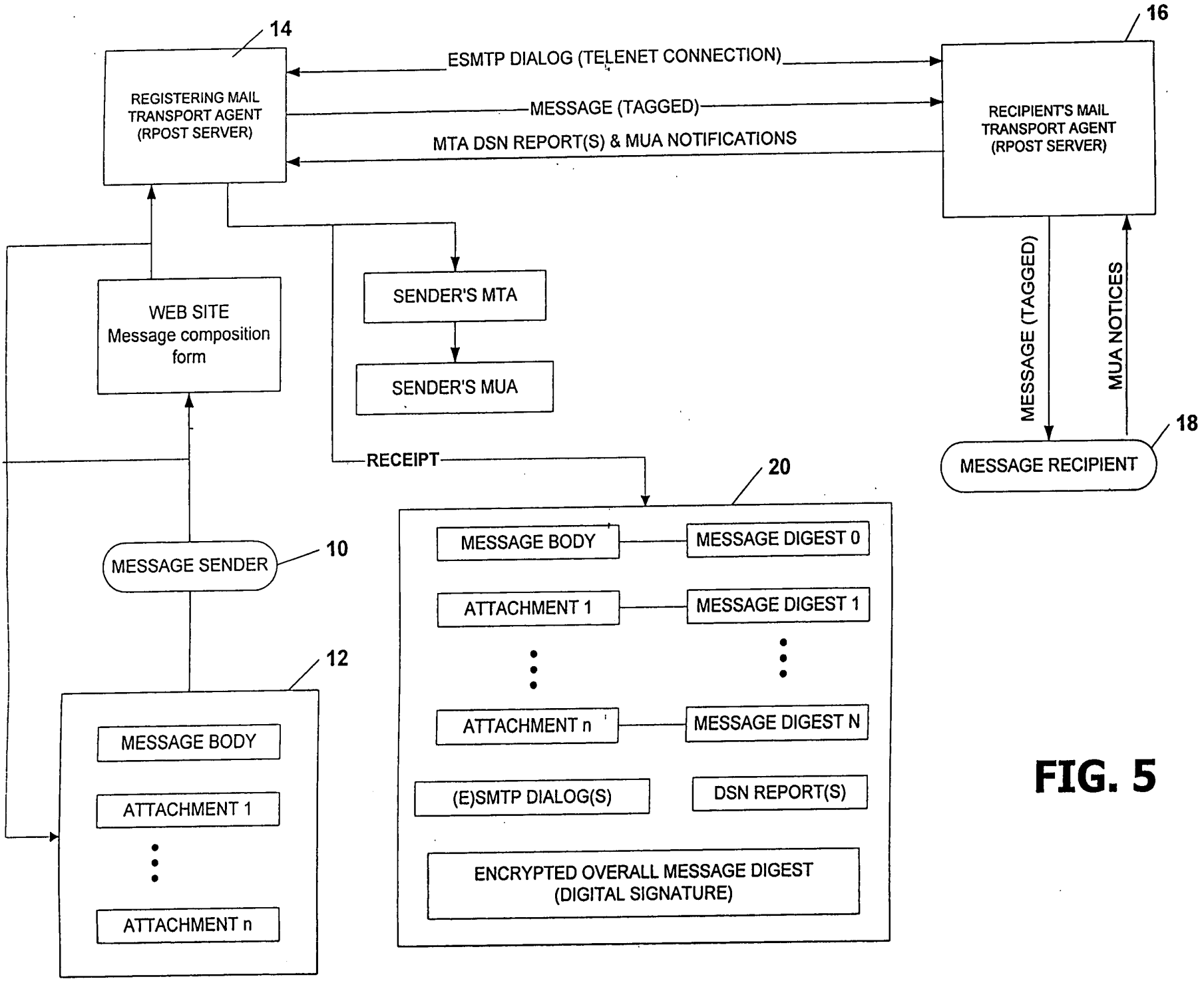

14
REGISTERING MAIL TRANSPORT AGENT (RPOST SERVER)
ESMTP DIALOG (TELENET CONNECTION)
MESSAGE (TAGGED)
MTA DSN REPORT(S) & MUA NOTIFICATIONS
16
RECIPIENT'S MAIL TRANSPORT AGENT (RPOST SERVER)
WEB SITE Message composition form
SENDER'S MTA
SENDER'S MUA
MESSAGE (TAGGED)
MUA NOTICES
18
MESSAGE RECIPIENT
RECEIPT
20
MESSAGE BODY
MESSAGE DIGEST 0
ATTACHMENT 1
MESSAGE DIGEST 1
ATTACHMENT n
MESSAGE DIGEST N
(E)SMTP DIALOG(S)
DSN REPORT(S)
ENCRYPTED OVERALL MESSAGE DIGEST (DIGITAL SIGNATURE)
MESSAGE SENDER
10
12
MESSAGE BODY
ATTACHMENT 1
ATTACHMENT n

FIG. 5

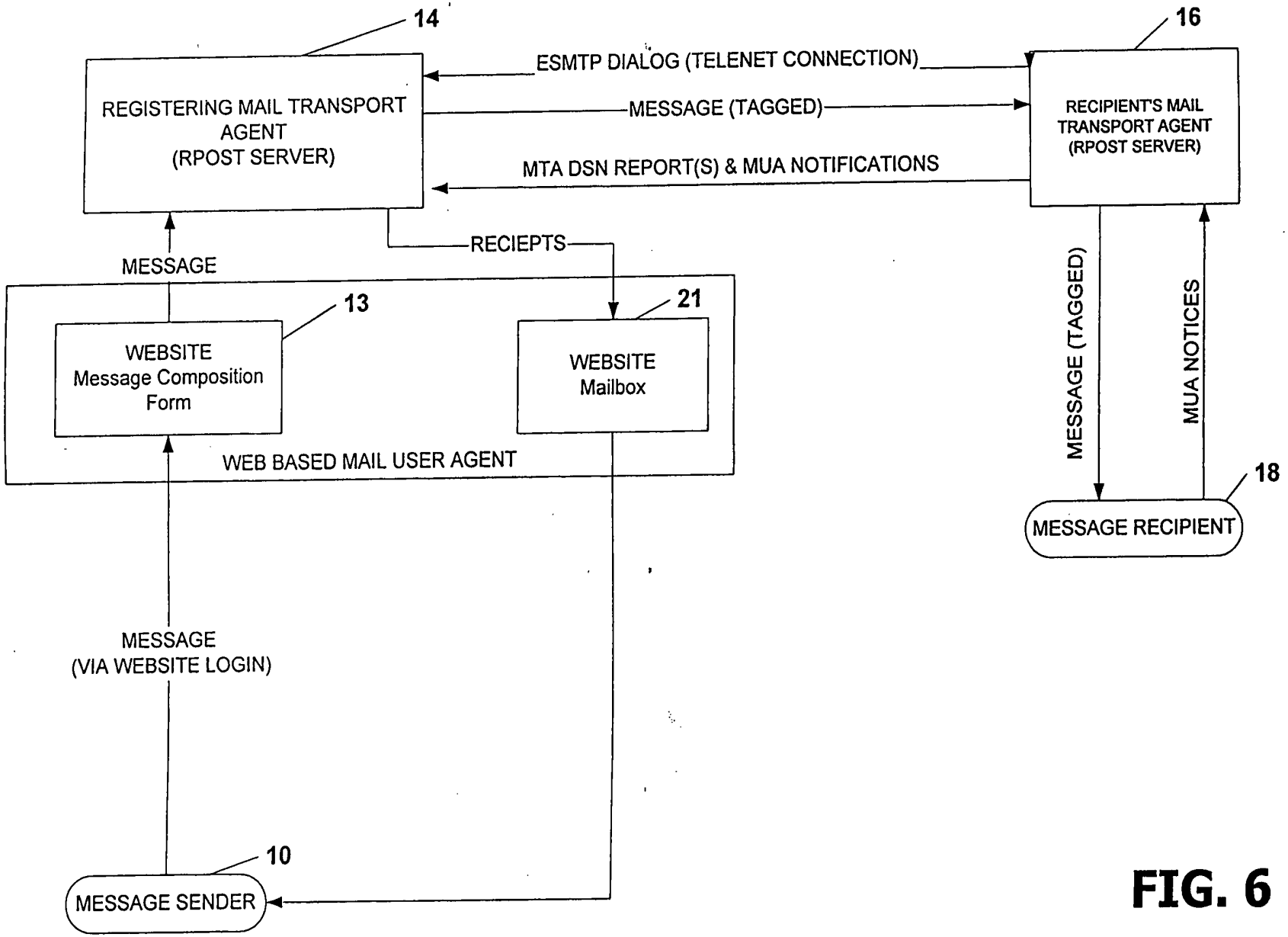
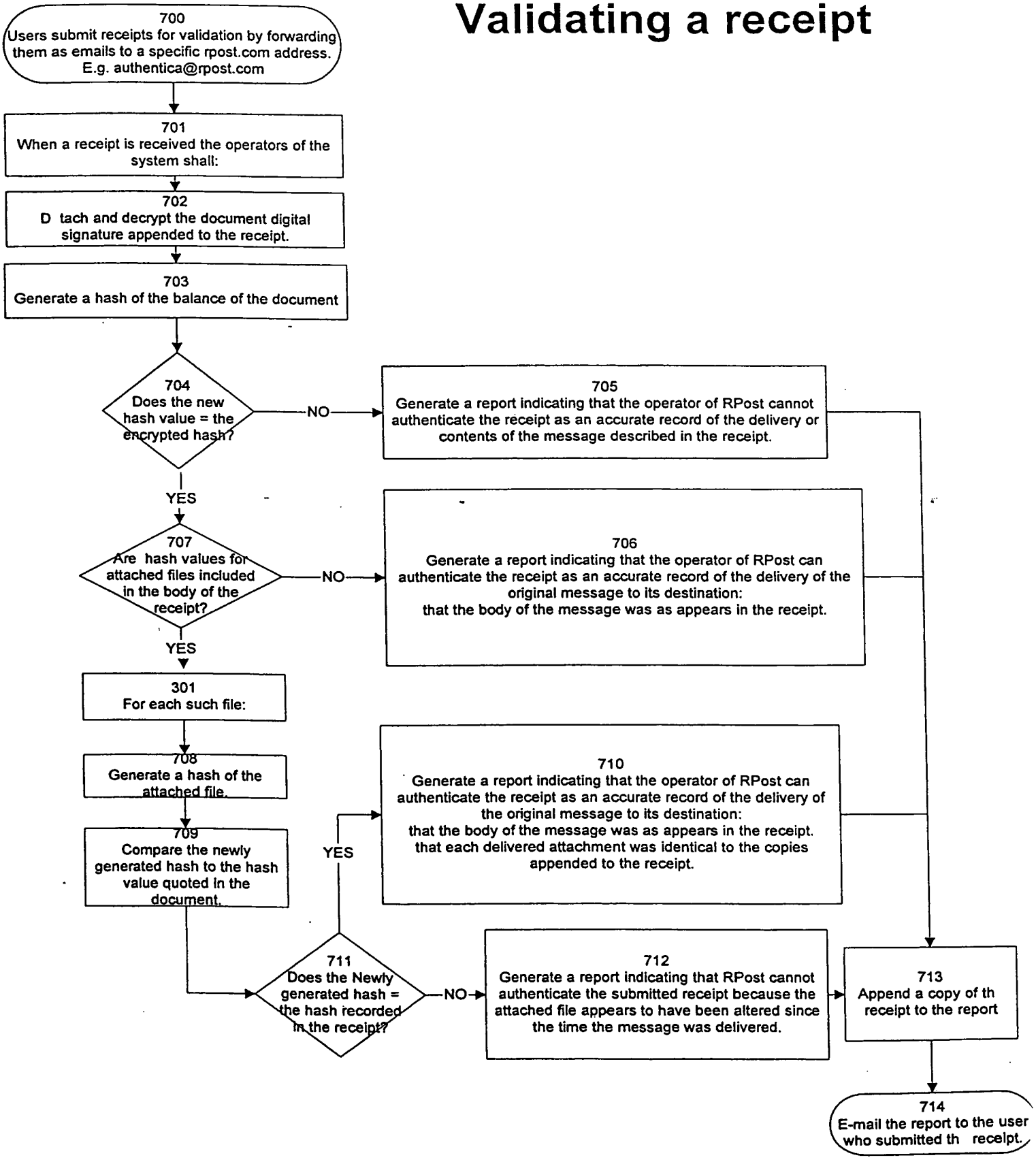

14
16
REGISTERING MAIL TRANSPORT AGENT (RPOST SERVER)
ESMTP DIALOG (TELENET CONNECTION)
MESSAGE (TAGGED)
MTA DSN REPORT(S) & MUA NOTIFICATIONS
RECIEPTS
RECIPIENT'S MAIL TRANSPORT AGENT (RPOST SERVER)
MESSAGE
13
21
WEBSITE Message Composition Form
WEBSITE Mailbox
WEB BASED MAIL USER AGENT
MESSAGE (TAGGED)
MUA NOTICES
18
MESSAGE RECIPIENT
MESSAGE (VIA WEBSITE LOGIN)
10
MESSAGE SENDER

FIG. 6

FIG. 7
Validating a receipt



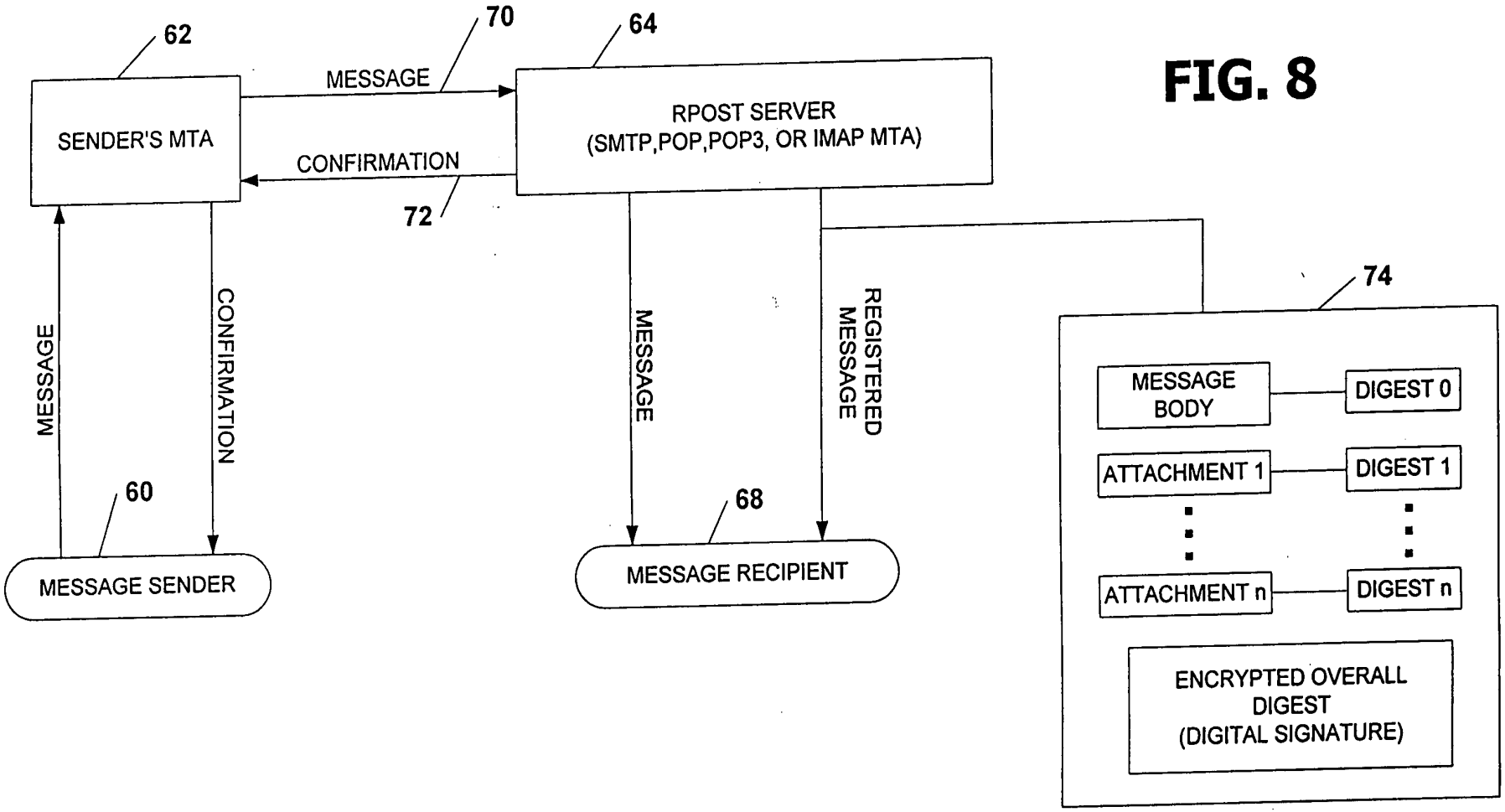

62
70
64
MESSAGE
SENDER'S MTA
RPOST SERVER
(SMTP,POP,POP3, OR IMAP MTA)
CONFIRMATION
72
MESSAGE
CONFIRMATION
MESSAGE
REGISTERED
MESSAGE
74
MESSAGE
BODY
DIGEST 0
ATTACHMENT 1
DIGEST 1
ATTACHMENT n
DIGEST n
ENCRYPTED OVERALL
DIGEST
(DIGITAL SIGNATURE)
60
68
MESSAGE SENDER
MESSAGE RECIPIENT

FIG. 8

FIG. 9
Validating Received Mail

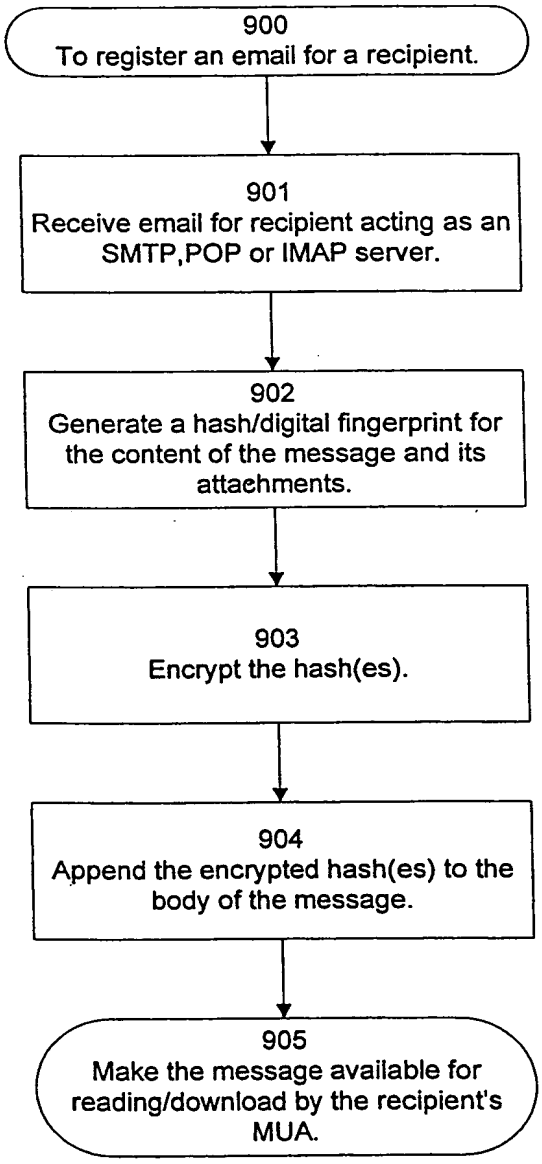


FIG. 10
Registering Inbound Mail

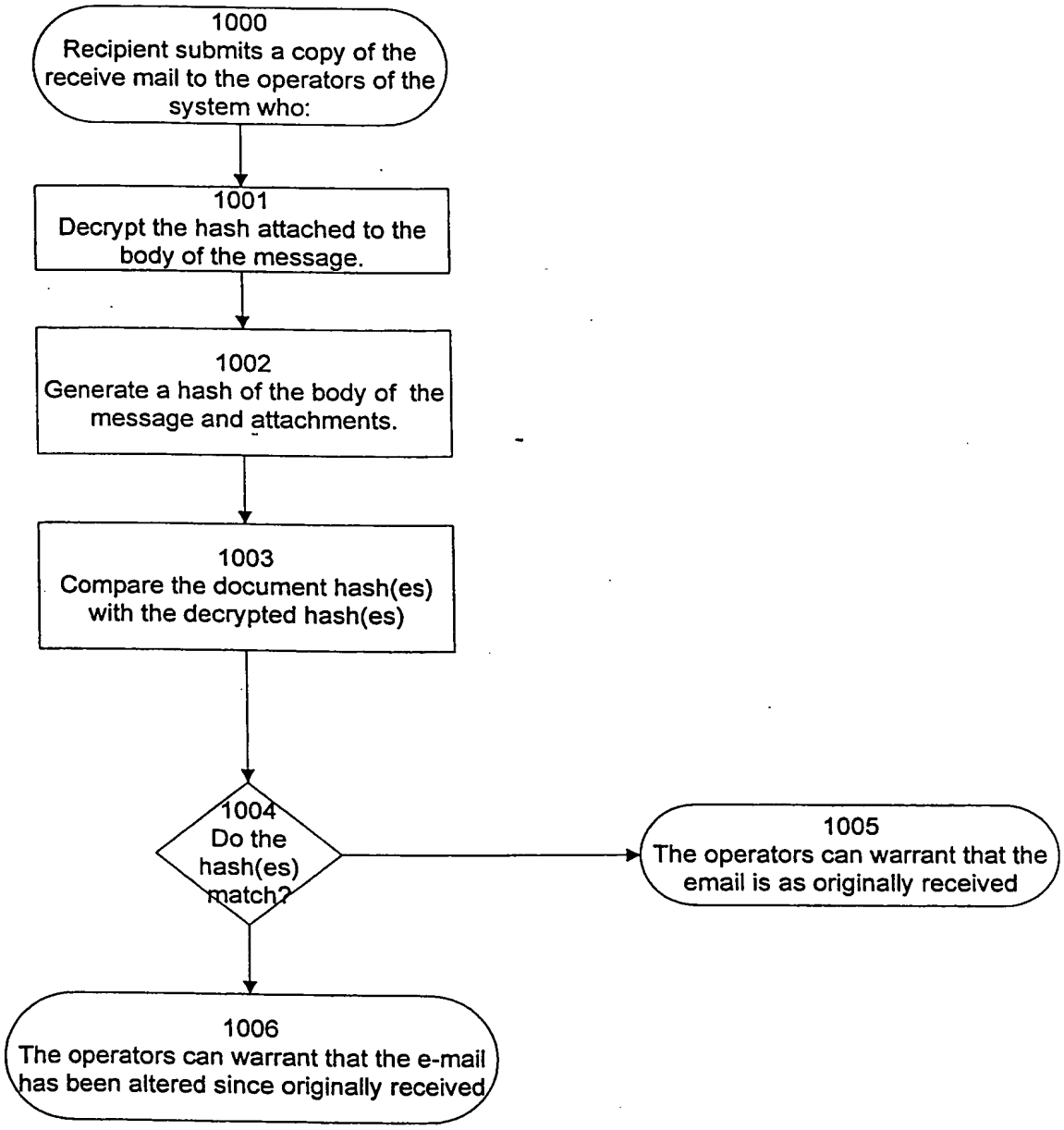


FIG. 11

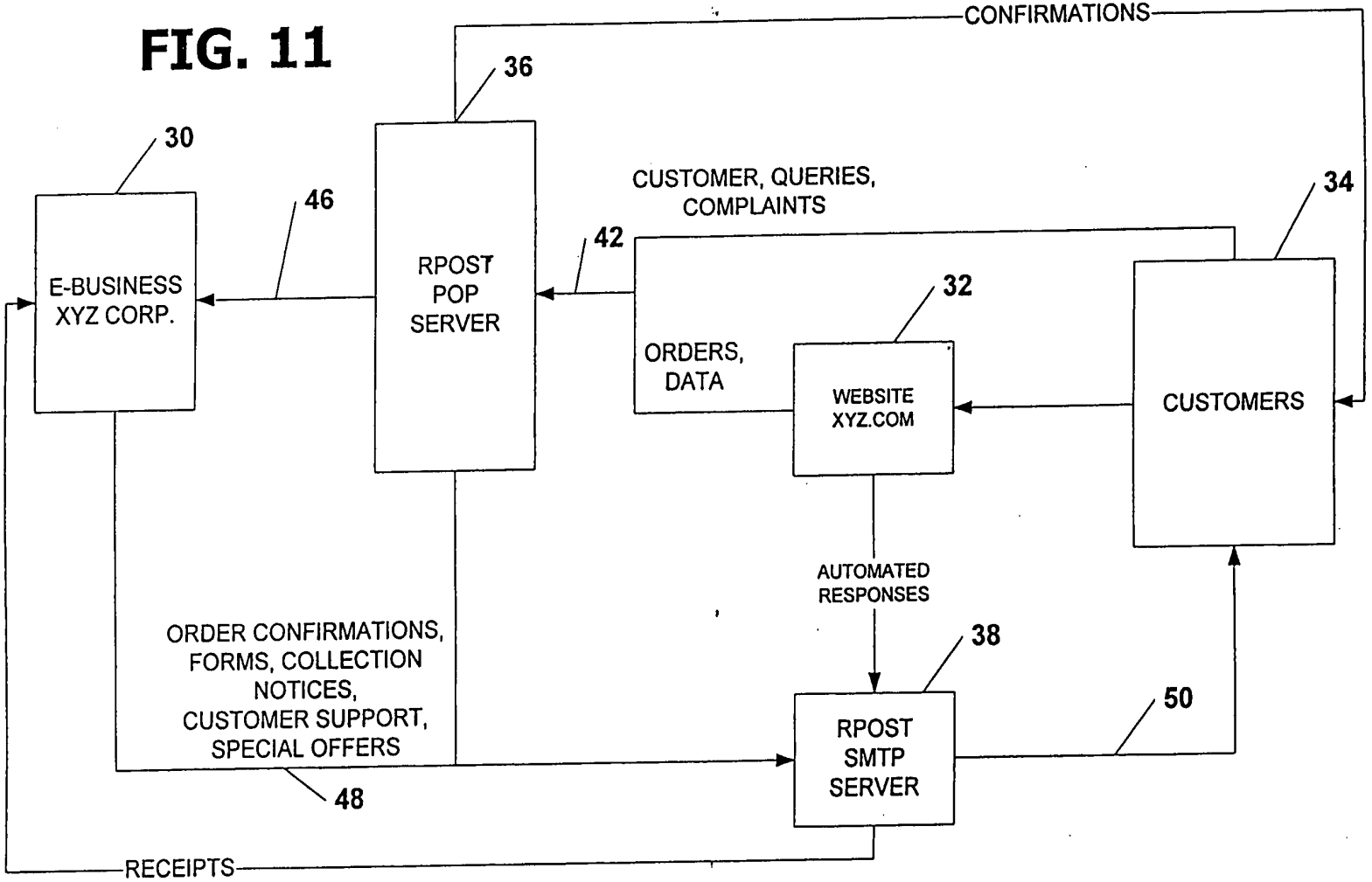

CONFIRMATIONS
36
30
46
RPOST
POP
SERVER
CUSTOMER, QUERIES,
COMPLAINTS
42
34
E-BUSINESS
XYZ CORP.
32
ORDERS,
DATA
WEBSITE
XYZ.COM
CUSTOMERS
AUTOMATED
RESPONSES
ORDER CONFIRMATIONS,
FORMS, COLLECTION
NOTICES,
CUSTOMER SUPPORT,
SPECIAL OFFERS
38
50
RPOST
SMTP
SERVER
48
RECEIPTS

Figure 12
Transmitting a message for Registered Reply

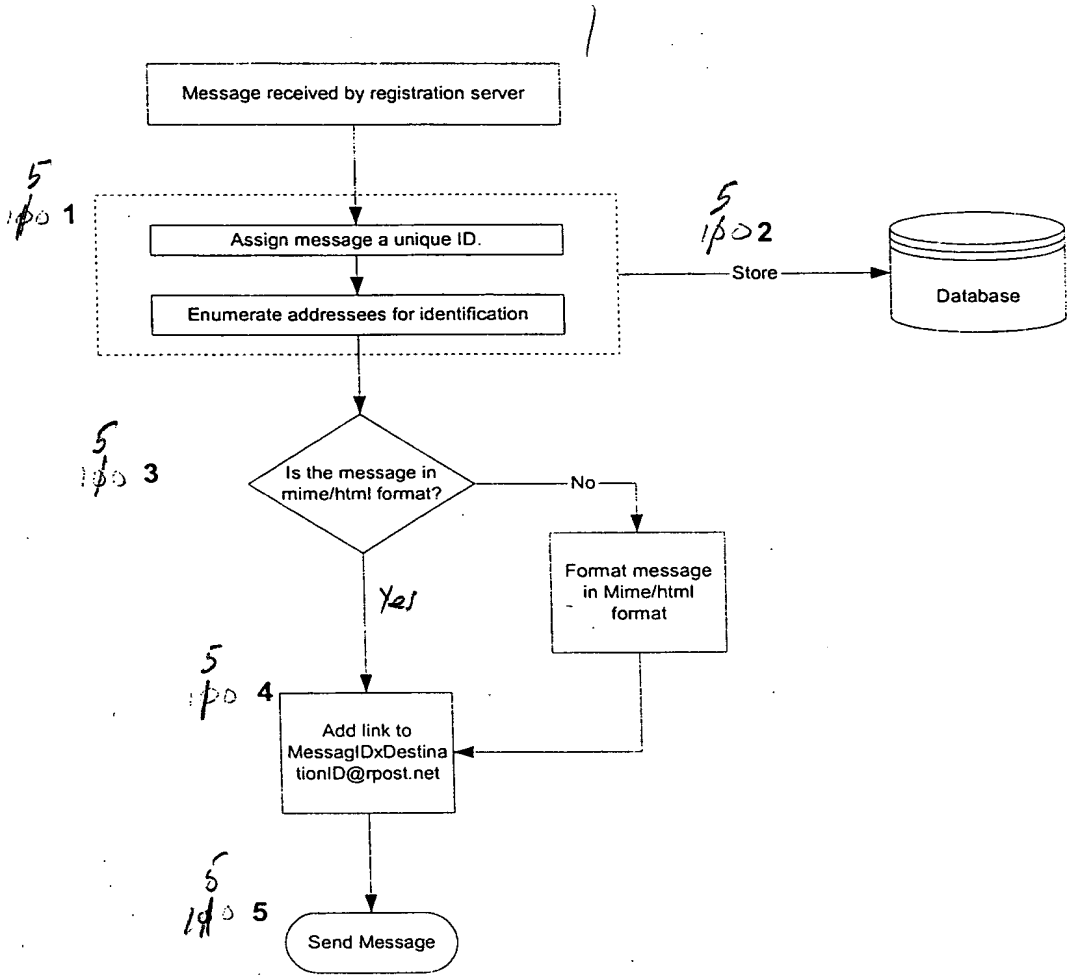


Fig. 12

Figure 13
Transmitting a Registered Reply message

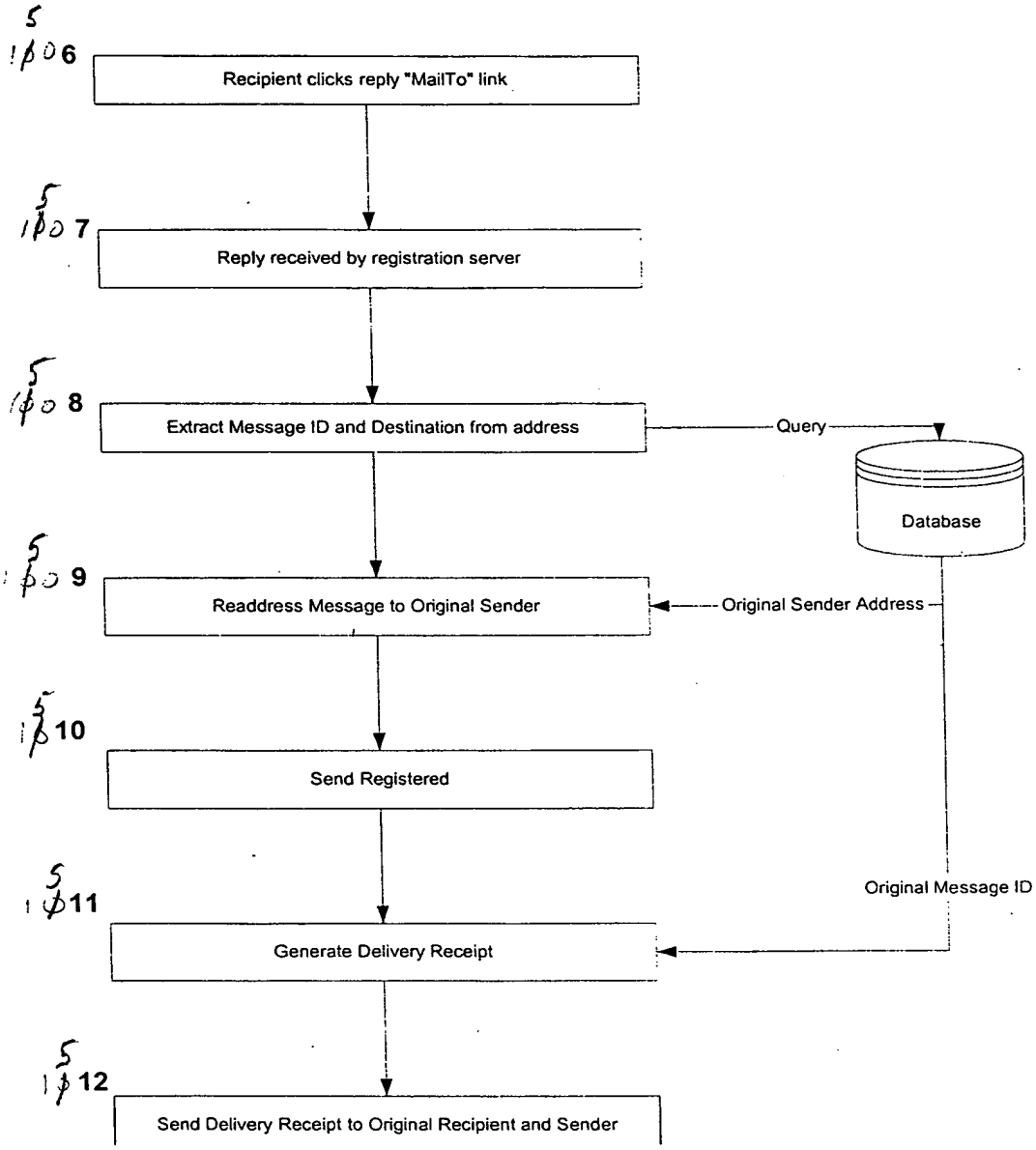


Fig. 13